

## M 4.6, 25km SSE of Jarm, Afghanistan

Origin Time: 2019-07-04 04:20:08 UTC (Thu 08:50:08 local)  
Location: 36.6563° N 70.9494° E Depth: 80.8 km

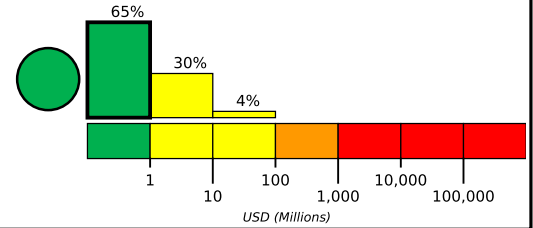
Created: 1 day, 0 hours after earthquake

### Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



### Estimated Economic Losses

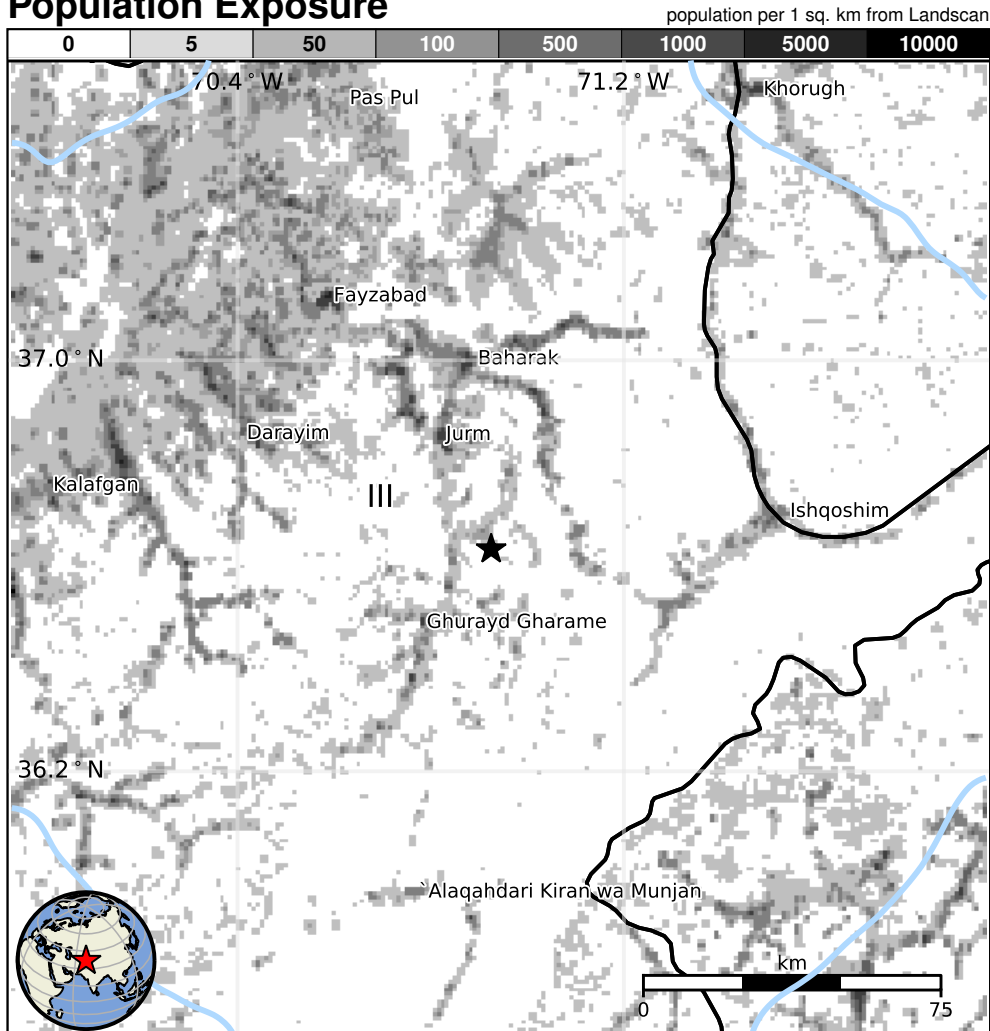


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	1,564k	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are extremely vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are adobe block and unreinforced brick with mud and timber post construction.

### Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2001-06-01	226	5.0	V(1,344k)	4
2002-01-09	241	5.2	VI(51k)	3
2005-10-08	340	7.6	IX(337k)	87k

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

### Selected City Exposure

from GeoNames.org

MMI	City	Population
III	Jurm	12k
III	Ghurayd Gharama	<1k
III	Shahrān	<1k
III	Baharak	<1k
III	Hafiz Moghul	<1k
III	Zaybak	<1k
III	Ishqoshim	26k
III	Ashkasham	12k
III	Fayzabad	44k
III	Farkhar	10k
II	Khorugh	30k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us700049sa#pager>

bold cities appear on map.

(k = x1000)

Event ID: us700049sa